

(FILE 'HCAPLUS' ENTERED AT 10:45:19 ON 09 APR 2003)

L8 11746 SEA ABB=ON PLU=ON RDRP OR (RNA OR RIBONUCLEIC OR RIBO  
NUCLEIC) (W)DEPEND?(W) (RNA OR RIBONUCLEIC OR RIBO  
NUCLEIC) (W) POLYMERASE OR HCV OR HEPATIT? C OR FLAVIVIRID?

L9 215 SEA ABB=ON PLU=ON L8 AND (EU!ARYOT? OR 293 OR 293FL?)

L10 35 SEA ABB=ON PLU=ON L9 AND (CDNA OR (C OR COMPLEMENT?) (W)  
(DNA OR DEOXYRIBONUCLEIC OR DEOXY(W) (RIBONUCLEIC OR RIBO  
NUCLEIC) OR DEOXYRIBO NUCLEIC))

L11 2 SEA ABB=ON PLU=ON L10 AND (UTR OR UNTRANSLAT? REGION)

L12 4 SEA ABB=ON PLU=ON L10 AND (MEAS? OR QUANT?)

L13 9 SEA ABB=ON PLU=ON L10 AND VITRO

L14 9 SEA ABB=ON PLU=ON L11 OR L12 OR L13

L14 ANSWER 1 OF 9 HCAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 2002:594976 HCAPLUS

DOCUMENT NUMBER: 137:151082

TITLE: In vitro system for measuring  
replication of RNA-dependent  
RNA polymerase (RDRP  
) viruses

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SOURCE: PCT Int. Appl., 60 pp.

CODEN: PIXXD2

DOCUMENT TYPE: Patent

LANGUAGE: English

FAMILY ACC. NUM. COUNT: 1

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002061048	A2	20020808	WO 2002-US2952	20020131
WO 2002061048	A3	20021031		

W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH,  
CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD,  
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ,  
LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ,  
NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ,  
TM, TN, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW, AM,  
AZ, BY, KG, KZ, MD, RU, TJ, TM

RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE,  
CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT,  
SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE,  
SN, TD, TG

PRIORITY APPLN. INFO.: US 2001-265437P P 20010131

AB This invention is an in vitro system for the replication  
of the viral genomes of viruses that depend upon the enzyme  
RNA-dependent RNA polymerase (RDRP) for replication. The method of the invention provides  
an efficient means for measuring genomic replication in  
RDRP viruses, and also for the rapid screening of compds.  
for their ability to inhibit genomic replication of RDRP  
viruses, including the Hepatitis C virus (HCV). The method employs a construct comprising the 3' and  
5' untranslated regions (UTR5) of the viral  
genome which are operably linked on the 5' and 3' ends of a reporter